

Sheet 1 of 3

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Form PTO-449		
ATTY DOCKET NO. 32-95	SERIAL NO. 08/477,354	FILING DATE June 7, 1995
APPLICANT Hawley-Nelson et al.		GROUP Unassigned

U.S. PATENT DOCUMENTS

Examinr. Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JB	04,946,787	Aug 7, 1990	Eppstein et al.			
JB	08/069,720	June 1, 1993	Jessee et al.			
JB	08/090,290	July 12, 1993	Jessee et al.			
JB	08/274,397	July 12, 1994	Jessee et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes/No
JB	WO A91/16024	31.10.91				
JB	WO 93/07282	04.15.93				
JB	WO 93/07283	04.15.93				

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

JB	✓	DeRoberts et al., "Intracellular migration of nuclear proteins in <i>Xenopus</i> oocytes," <i>Nature</i> 272:254-256 (1978).
JB	✓	Väänänen et al., "Fusion and Haemolysis of Erythrocytes Caused by Three Togaviruses: Semiki Forest, Sindbis, and Rubella," <i>J. Gen. Virology</i> (1980), 46: 467-475.
JB	✓	Carrasco, L. et al. "Modification of Membrane Permeability in Vaccinia Virus-Infected Cells," (1982), <i>J. Virol.</i> 117:62-69.
JB	✓	Eytan, G.D., "Use of Liposomes for Reconstitution of Biological Functions," <i>Biochem. Biophys. Acta</i> (1982) 694:185-202.
JB	✓	Young et al., "Interaction of Enveloped Viruses with Planar Bilayer Membranes: Observations on Sendai, Influenza, Vesicular Stomatitis, and Simiki Forest Viruses," <i>Virology</i> (1983) 128:186-194.
JB	✓	Marsh et al., "Interactions of Simiki Forest Virus Spike Glycoprotein Rosettes and Vesicles with Cultured Cells," <i>J. Cell Biol.</i> (1983) 96:455-461.
JB	✓	Schlegel, R. et al. "Inhibition of VSV Binding and Infectivity by Phosphatidylserine: Is Phosphatidylserine a VSV-Binding Site?" <i>Cell</i> 32:639-646 (1983).
JB	✓	Kalderon et al., "A Short Amino Acid Sequence Able to Specify Nuclear Location," <i>Cell</i> 39:499-509 (1984).
JB	✓	Kraaijeveld, S.A. et al., "The effect of liposomal charge on the neutralizing antibody response against inactivated encephalomyocarditis and Simiki Forest Viruses," <i>Clin. Exp. Immunol.</i> , (1984) 56:509-514.
JB	✓	Schlegel, R. and M. Wade, "Biologically Active Peptides of the Vesicular Stomatitis Virus Glycoprotein," <i>J. Virol.</i> 53(1):319-323 (1985).
JB	✓	Klappe, K. et al., "Parameters Affecting Fusion between Sendai Virus and Liposomes. Role of Viral Proteins, Liposome Composition, and pH," <i>Biochemistry</i> (1986) 25:8252-8260.
JB	✓	Sands, J.A., "Virucidal activity of cetyltrimethylammonium bromide below the critical micelle concentration," <i>FEMS Microbiol. Lett.</i> (1986) 36:261-263.
JB	✓	Scheule, "Novel Preparation of Functional Sindbis Virosomes," <i>Biochemistry</i> (1986) 25:4223-4232.

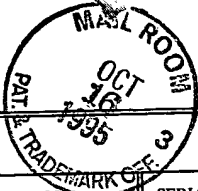
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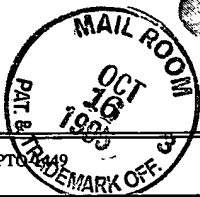
JB			Lanford et al., "Induction of Nuclear Transport with a Synthetic Peptide Homologous to the SV40 T Antigen Transport Signal," <i>Cell</i> 46:575-582 (1986).
JB			Kaneda et al., "The Improved Efficient Method for Introducing Macromolecules into Cells Using HVJ (Sendai virus) Liposomes with Gangliosides," <i>Exp. Cell Res.</i> (1987) 173:56-69.
JB			Otero, M.J., and Carrasco, L. "Proteins are Cointernalized with Virion Particles during Early Infection," (1987), <i>J. Virol.</i> 160:75-80.
JB			Tikhonenko, T., et al., (1988) "Transfer of condensed viral DNA into eukaryotic cells using proteoliposomes," <i>Gene</i> 63:321-330.
JB			Gould-Fogerite, S. et al., "Chimerasome-mediated gene transfer in vitro and in vivo," (1989) <i>Gene</i> 84:429-438.
JB			Kaneda et al., "Introduction and Expression of the Human Insulin Gene in Adult Rat Liver," <i>J. Biol. Chem.</i> (1989) 264(21):1216-1219.
JB			Neugebauer, J. "Detergents: An Overview," <i>Meth. Enzymol.</i> , (1990) 182:239-253.
JB			Lapidot et al., "Fusion-Mediated Microinjection of Liposome-Enclosed DNA into Cultured Cells with the Aid of Influenza Virus Glycoproteins," <i>Experimental Cell Research</i> (1990) 189:241-246.
JB			Konopka, K. et al., "Enhancement of human immunodeficiency virus type 1 infection by cationic liposomes: the role of CD4, serum and liposome-cell interactions," <i>J. Gen. Virol.</i> (1991) 72:2685-2696.
JB			Curiel, D.T. et al. "Adenovirus enhancement of transferrin-polylysine-mediated gene delivery," (1991) <i>Proc. Natl. Acad. Sci. USA</i> 88:8850-8854.
JB			Liljstrom, P. and Garoff, H. "A New Generation of Animal Cell Expression Vectors Based on the Semliki Forest Virus Replicon," (1991) <i>Biotech.</i> 2:1356-1361.
JB			Phalen et al., "Cholesterol is Required for Infection by Semliki Forest Virus," <i>J. Cell Biology</i> (1991) 112(4):615-623.
JB			Murata et al., "Modification of the N-Terminus of Membrane Fusion-Active Peptides Blocks the Fusion Activity," <i>Biochem. and Biophys. Res. Communications</i> (1991) 179(2):1050-1055.
JB			Cotton et al., (1992) "High-efficiency receptor-mediated delivery of small and large 48 kilobase gene constructs using the endosome-disruption activity of defective or chemically inactivated adenovirus particles," <i>Proc. Natl. Acad. Sci. USA</i> 89:6094-6098.
JB			Curiel, D.T. et al., (1992) High-Efficiency Gene Transfer Mediated by Adenovirus Coupled to DNA-Polylysine Complexes," <i>Hum. Gene Therapy</i> 3:147-154.

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FORM PTO 649		
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OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

JB		Wagner, E. et al., (1992) "Coupling of adenovirus to transferrin-polylysine/DNA complexes greatly enhances receptor-mediated gene delivery and expression of transfected genes," <i>Proc. Natl. Acad. Sci. USA</i> 89:6099-6103.
JB		Wagner, E. et al., (1992) "Influenza virus hemagglutinin HA-2 N-terminal fusogenic peptides augment gene transfer by transferrin-polylysine-DNA complexes: Toward a synthetic virus-like gene-transfer vehicle," <i>Proc. Natl. Acad. Sci. USA</i> 89:7934-7938.
JB		Epand et al, "Peptide models for the membrane destabilizing actions of viral fusion proteins," <i>Biopolymers</i> 32:309 (1992).
JB		Walker et al., "Cationic lipids direct a viral glycoprotein into the class I major histocompatibility complex antigen-presentation pathway," <i>Proc. Natl. Acad. Sci. USA</i> (1992) 89:7915-7918.
JB		Ciccarone et al., "Cationic Liposome-Mediated Transfection of Eukaryotic Cells: High Efficiency Nucleic Acid Delivery with Lipofectin, Lipofectace", and Lipofectamine" Reagents," <i>FASEB J., Abstracts</i> , (1993) 7(Z):A1131, Abstract No. 454.
JB		Yoshimura et al. "Adenovirus-mediated Augmentation of Cell Transfection with Unmodified Plasmid Vectors," <i>J. Biol. Chem.</i> 268:2300 (1993).
JB		"Transfection Reagent," <i>Genetic Engineering News</i> (15 June 1993), p.12, column 4.
JB		Kamata, H. et al., "Amphiphilic peptides enhance the efficiency of liposome-mediated DNA transfection," <i>Nucl. Acids Res.</i> 22(3):536-537 (1994).
JB		Remy et al., "Targeted gene transfer into hepatoma cells with lipopolyamine-condensed DNA particles presenting galactose ligands: A stage toward artificial viruses," <i>Proc. Natl. Acad. Sci., USA</i> 92:1744-1748 (1995).

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